

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kenneth S COLLINS, et al

Assignee: APPLIED MATERIALS, INC.

Title: PLASMA IMMERSION ION IMPLANTATION PROCESS USING  
AN INDUCTIVELY COUPLED PLASMA SOURCE HAVING  
LOW DISSOCIATION AND LOW MINIMUM PLASMA VOLTAGE

Serial No.: 10/646,467 Confirmation Number Assignment: 8489

Filed: 08/22/2003 Group Art Unit: 1763

Attorney Docket No.: 006915/P6 Examiner: Unknown

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Santa Clara, California

Mail Stop Missing Parts  
COMMISSIONER OF PATENTS AND TRADEMARKS  
P. O. Box 1450  
Alexandria, VA 22313-1450  
Attention: Manager  
Applications Division

RESPONSE TO NOTICE TO FILE MISSING PARTS  
OF APPLICATION - FILING DATE GRANTED

Sir:

In response to the Notice to File Missing Parts of Application - Filing Date  
Granted mailed by the United States Patent and Trademark Office on 10/12/2004, the  
following documents are enclosed to complete the filing of the  
above-identified patent application:

1. A combined declaration and power of attorney signed by the inventor(s) in  
compliance with 37 CFR 1.63 (4 pages);
2. A copy of the Notice to File Missing Parts of Application - Filing Date Granted

The United States Patent and Trademark Office is hereby authorized to charge the  
following fees to Deposit Account 50-1074;

- |   |            |
|---|------------|
| 1. Filing Fee - Original Patent Application (37 CFR 1.16(a))                    | \$ 790.00  |
| 2. Fees for claims  |            |
| <input type="checkbox"/> each independent claim in excess of 3 (37 CFR 1.16(f)) |            |
| <input checked="" type="checkbox"/> each claim in excess of 20 (37 CFR 1.16(c)) | \$1,170.00 |
| <input type="checkbox"/> each multiple dependent claim (37 CR 1.16(d))          |            |

☒ Late Payment of filing fee or late filing of original declaration  
or oath - (37 CFR 1.16(e))

Total Completion Fees

\$ 130.00  
**\$2,090.00**

3. Applicant petitions for an extension of time, the fees for which are set out in 37 CFR 1.17(a)-(d), for the total number of months checked below:

Extension (Months)      Fee for other than Small Entity

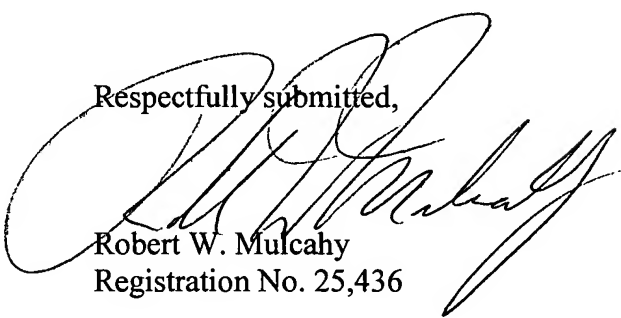
___ One Month	\$ 110.00
___ Two Months	\$ 410.00
___ Three Months	\$ 930.00
___ Four Months	\$1,450.00

If an additional extension of time is required please consider this a petition therefor.

4. The Commissioner is hereby authorized to charge **\$2,090.00** and any additional fees which may be required, or credit any overpayment, to Deposit Account No.50-1074.

It is hereby respectfully submitted that the enclosed documents complete the filing of the above-named patent application and justify the filing date of 8/22/2003. Please telephone the undersigned at (408) 563-2726, if there are any questions regarding this matter.

Respectfully submitted,

  
Robert W. Mulcahy  
Registration No. 25,436

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:  
Mail Stop Missing Parts Commissioner of Patents and Trademarks, P. O. Box 1450 Alexandria, VA 22313-1450 on 11-12-04

Signature: 

Jo Ann Cottrell

10/646,467



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

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IFW

NIMP 12.12

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/646,467	08/22/2003	Kenneth S. Collins	00840106

CONFIRMATION NO. 8489

Patent Counsel, M/S 2061  
Legal Affairs Dept.  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, CA 95035

## FORMALITIES LETTER



\*OC000000014053489\*

OCT 21 2004

Date Mailed: 10/12/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

11/16/2004 CCHAU1 00000022 501074 10646467

FILED UNDER 37 CFR 1.53(b)

01 FC:1001 790.00 DA  
02 FC:1051 130.00 DA  
03 FC:1202 1170.00 DA

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 790 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$1170 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$2090 for a Large Entity

- \$790 Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.

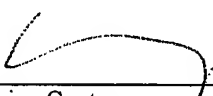
REC'D OCT 19 2004

- Total additional claim fee(s) for this application is **\$1170**
  - **\$1170** for **65** total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice **MUST** be returned with the reply.*

  
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Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY